

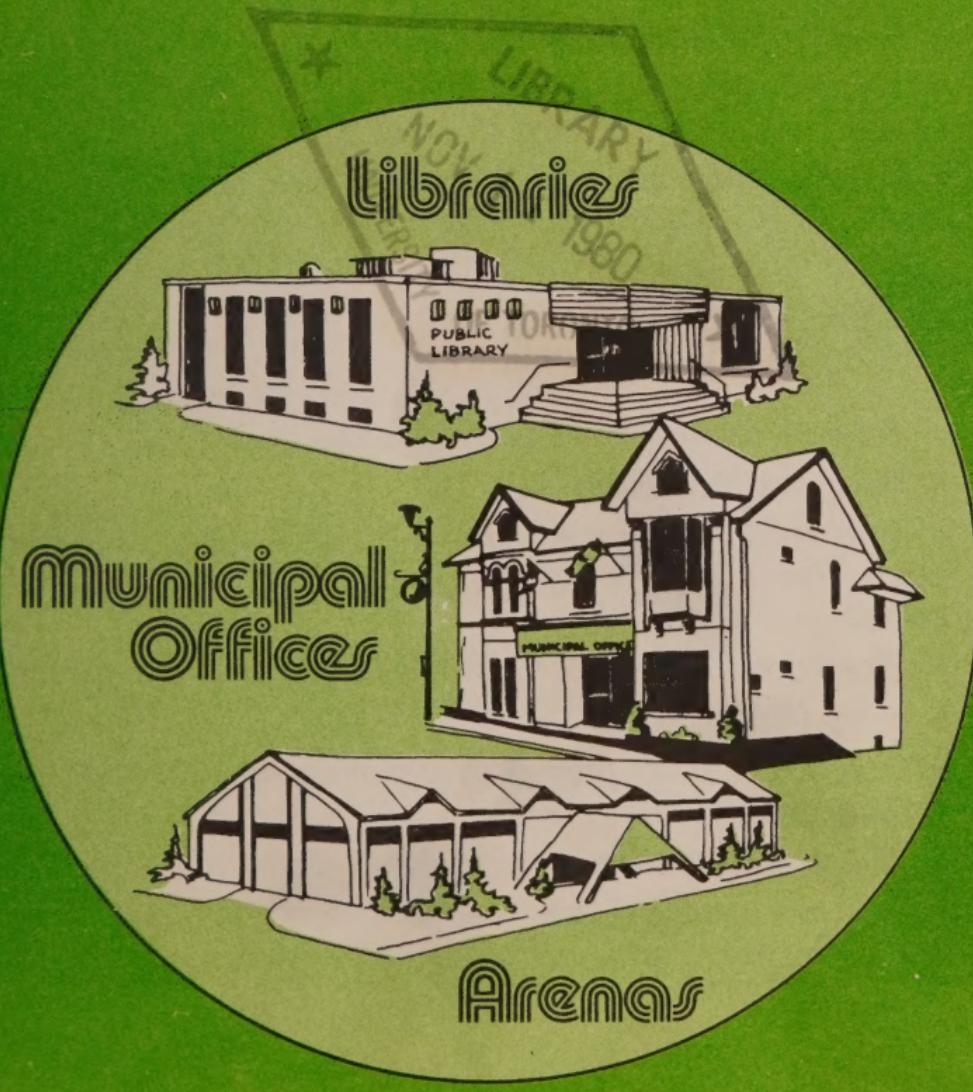
CA20N
EP
-2002

Government
Publications

3 1761 11892709 4

REDUCING ELECTRICAL WASTE

IN MUNICIPAL BUILDINGS



Approximately 50% of all energy used in Municipal Buildings is electricity. Much of this is used wastefully.

This waste can be reduced in all cases without adversely affecting production and services.

Although municipal buildings vary greatly in size, use and occupancy, suggestions in this folder on the wise use of energy will apply to most facilities.

Heating

- Lower thermostat setting during non-working hours.
- Lower thermostat setting in non-occupied areas (corridors, washrooms, basements, storage areas, lobbies).
- Have heating system checked regularly.
- Insulate exposed walls.
- Double glaze windows or storm windows.
- Check caulking around all doors and windows (recaulk if necessary).
- Keep air grills and heat transfer devices clean.

Cooling

- Turn off cooling in unoccupied areas.
- Raise thermostat setting.
- Turn cooling equipment off one hour before closing the store. The cooling effect will remain in the store for this period.
- Close drapes or blinds on windows exposed to sunlight.
- Keep filters clean.
- Schedule regular preventative maintenance checks for cooling equipment.
- Use outside air for cooling whenever possible.
- Reduce lighting loads whenever possible. This will reduce cooling loads.

Hot Water

- Install/repair insulation around pipes.
- Repair leaking taps.
- Lower hot water temperature to 49°C (120°F).
- Insulate hot-water heaters.

Lighting

- Turn off unnecessary lights.
- Use fluorescent lamps where possible, (2-40 watt fluorescent lamps produce 5360 lumens (units of light) where 1-100 watt incandescent lamp produces only 1740 lumens).
- Reduce or eliminate decorative lighting inside and outside.
- Where practical, lower wattage of lighting.
- Maintain a regular fixture/lamp cleaning schedule.
- After hours, reduce or turn off lighting not required for safety and security.
- Use time clocks for night lighting and outdoor signs to eliminate manual operations.
- Replace 40 watt fluorescent lamps with 35 watt energy saving lamps (consult with your electrical contractor).
- Design lighting for expected activity. Task lighting will help reduce overall lighting levels.
- Use lighter colour surfaces.

Involvement

- Obtain commitment from management
- Form an "Energy Management" committee
- Set goals and budget
- Ascertain priorities and assign responsibilities
- Record progress, using monthly utility costs (compare with previous)
- Keep all the staff advised of results

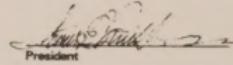


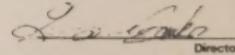
Electricity Conservation Award

Presented to

in recognition of leadership and resourcefulness in implementing
and maintaining an effective electricity conservation program.

These conservation efforts are a valuable contribution towards
an energy secure future.


President


Director

These awards are presented to those who have shown outstanding energy savings

WE
PRACTICE
CONSERVATION OF
ELECTRICAL
ENERGY

DEPOSITORY LIBRARY CENTER

